

Fru = fructosyl;
Fuc = fucosyl;
Gal = galactosyl;
GalNAc = N-acetylgalactosaminyl;
Glc = glucosyl;
GlcNAc = N-acetylglucosaminyl;
Man = mannosyl; and
NeuAc = sialyl (typically N-acetylneuraminyl).

IN THE CLAIMS:

Please amend claims 1, 23, 32, and 57 as follows:

1 1. (Amended) A commercial-scale production method of sialylating a
2 saccharide group on a recombinant glycoprotein, the method comprising contacting a
3 saccharide group which comprises a galactose or N-acetylgalactosamine acceptor moiety
4 on a recombinant glycoprotein with a sialic acid donor moiety and a recombinant
5 sialyltransferase in a reaction mixture which provides reactants required for
6 sialyltransferase activity for a sufficient time and under appropriate conditions to transfer
7 sialic acid from said sialic acid donor moiety to said saccharide group.

1 23. (Amended) A commercial-scale production method of sialylating a
2 saccharide group on a recombinant glycoprotein, the method comprising contacting a
3 saccharide group which comprises a galactose or an N-acetylgalactosamine acceptor
4 moiety on a recombinant glycoprotein with a sialic acid donor moiety and a bacterial
5 sialyltransferase in a reaction mixture which provides reactants required for
6 sialyltransferase activity for a sufficient time and under appropriate conditions to transfer
7 sialic acid from said sialic acid donor moiety to said saccharide group.

1 32. (Amended) A commercial-scale production method for *in vitro*
2 sialylation of saccharide groups on a glycoprotein, said method comprising contacting

3 said saccharide groups with a sialyltransferase, a sialic acid donor moiety, and other
4 reactants required for sialyltransferase activity for a sufficient time and under appropriate
5 conditions to transfer sialic acid from said sialic acid donor moiety to said saccharide
6 group.

1 57. (Amended) A commercial-scale production method for *in vitro*
2 sialylation of saccharide groups on a glycoprotein, the method comprising contacting the
3 saccharide groups with an ST3Gal III sialyltransferase, a sialic acid donor moiety, and
4 other reactants required for sialyltransferase activity for a sufficient time and under
5 conditions to transfer sialic acid from said sialic acid donor moiety to said saccharide
6 group.

Please add the following new claim:

1 --59. (New) A commercial-scale production method for sialylation of
2 saccharide groups on a glycoprotein, said method comprising contacting said saccharide
3 groups with a sialyltransferase, a sialic acid donor moiety, and other reactants required
4 for sialyltransferase activity for a sufficient time and under appropriate conditions to
5 transfer sialic acid from said sialic acid donor moiety to said saccharide group, and
6 wherein at least about 80% of the saccharide groups are sialylated.--

REMARKS

Claims 1-59 are pending in this application and are presented for examination. Claims 1, 23, 32, and 57 have been amended. Claim 59 has been added. No new matter has been introduced with the foregoing amendments and newly added claim. Early action on the merits is respectfully requested. Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned "Version with markings to show changes made."